



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,423	12/01/2006	Malcolm Tom McKechnie	102792-547 (11018P1 US)	8984
27389	7590	09/01/2009	EXAMINER	
NORRIS, MC LAUGHLIN & MARCUS			DOUYON, LORNA M	
875 THIRD AVE				
18TH FLOOR			ART UNIT	PAPER NUMBER
NEW YORK, NY 10022			1796	
			MAIL DATE	DELIVERY MODE
			09/01/2009	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/574,423	MCKECHNIE, MALCOLM TOM	
	<b>Examiner</b>	<b>Art Unit</b>	
	Lorna M. Douyon	1796	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 01 December 2006.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-16 is/are pending in the application.  
 4a) Of the above claim(s) 16 is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-15 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 04 April 2006 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>4/4/06; 5/31/06; 7/10/06</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____ .

***Election/Restrictions***

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-15, drawn to a cleaning article, classified in 510/438.

Group II, claim(s) 16, drawn to a method, classified in 134/6.

2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The cleaning article claims of Group I and the method claim of Group II share a common feature of cleaning article with a heat generating agent. The common feature of the cleaning article with a heat generating agent does not define the "special technical feature", since the claimed feature does not define a contribution over the prior art, as evidenced by Lindsay et al. (US2005/0136238, paragraph 162). Accordingly, the common feature, as recited in the article and method claims is not considered as the "special technical feature" as defined by PCT Rule 13.2. Therefore, unity of invention is lacking according to PCT Rule 13.2. Where a group of inventions is claimed in one and the same international application, the requirement of unity of invention referred to in Rule 13.1 shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the

same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

3. During a telephone conversation with Atty. Andrew N. Parfomak on August 6, 2009, a provisional election was made with traverse to prosecute the invention of Group I, claims 1-15. Affirmation of this election must be made by applicant in replying to this Office action. Claim 16 is withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

### ***Specification***

4. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

### **Arrangement of the Specification**

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.

- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A “Sequence Listing” is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required “Sequence Listing” is not submitted as an electronic document on compact disc).

5. It is suggested that a “Brief Description of the Drawings” be added to the specification in the order as described above, and it is suggested that headers be added as well.

#### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-5, 8, 10-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Saito (JP 2002275050).

Saito teaches a sheet for cleansing which has good initial foaming and excellent detergency, and capable of providing heat-generating feeling and warm feeling when using the sheet, hardly providing tense feeling and irritation, and capable of providing excellent moist feeling after the use. The sheet is usable by adding water or hot water thereto and foaming the sheet at the time of use and is obtained by coating or

impregnating a cleansing cosmetic comprising (a) a surfactant, (b) one or more kinds of inorganic heat-generating materials selected from the group consisting of silica, hydrated silicic acid, gypsum, calcined gypsum, magnesium carbonate, magnesium sulfate, magnesium chloride, zeolite, hydrotalcite, and synthetic aluminum silicate, and (c) one or more kinds selected from the group consisting of a polyoxyalkylene glycol, a polyoxyalkylene glyceryl ether, 1,3-butylene glycol and glycerol, on at least one kind of sheet selected from a nonwoven fabric, an open cell foam, a paper, a film or a knitted or woven fabric (see abstract). Even though Saito does not disclose an article adapted for cleaning a surface of an inanimate object, it has been held that the recitation that an element is "adapted to" perform or is "capable of" performing a function is not a positive limitation but only requires the ability to so perform. The recitation of a new intended use for an old product does not make a claim to that old product patentable, see *In re Schreiber*, 44 USPQ2d 1429 (Fed. Cir. 1997). Hence, Saito anticipates the claims.

8. Claims 1-6, 8-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Lorenzi et al. (US Patent No. 6,322,801).

Lorenzi teaches a substantially dry, disposable personal care article suitable for cleansing wherein the article comprises: a) a water insoluble substrate comprising a first layer that includes a nonwoven ply and a polymeric net arranged with the nonwoven ply; and b) a cleansing component disposed adjacent to said first layer of a lathering surfactant (see abstract). Cationic surfactants are useful in the articles, and preferred cationic surfactants are fatty amines such as cetyltrimethylammonium bromide (see col.

15, lines 18-27), which are also germicidal. Zeolites and other compounds which react exothermically when combined with water may also be optionally included in the articles (see col. 31, lines 60-63). In Examples 18-19, Lorenzi teaches skin cleansing and conditioning articles, wherein the cleansing component of Example 1, which comprises a surfactant, is three-roll milled with aluminosilicate (which generates heat due to an exothermic reaction upon exposure to water) in a ratio of 1:1 and 10 grams of the cleansing component is applied to one side of a layer of batting, sealed with a second nonwoven layer, and thereafter 4 grams of a skin conditioning composition is applied to the lofty batting side, and the product is stored in a sealed, metallized film package until ready for use (see col. 46, line 64 to col. 47, line 37). Even though Lorenzi does not disclose an article adapted for cleaning a surface of an inanimate object, it has been held that the recitation that an element is "adapted to" perform or is "capable of" performing a function is not a positive limitation but only requires the ability to so perform. The recitation of a new intended use for an old product does not make a claim to that old product patentable, see *In re Schreiber*, 44 USPQ2d 1429 (Fed. Cir. 1997). Hence, Lorenzi anticipates the claims.

### ***Claim Rejections - 35 USC § 103***

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

10. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lorenzi as applied to the above claims.

Lorenzi teaches the features as described above. In addition, Lorenzi teaches that the articles comprise from about 10% to about 1,000%, based on the weight of the water insoluble substrate, of one or more surfactants (see col. 10, lines 31-47; claim 1). Lorenzi, however, fails to specifically disclose the amount of cleaning agent or surfactants in amounts as those recited.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to optimize the proportions of the surfactant of Lorenzi through routine experimentation for best results. As to optimization results, a patent will not be granted based upon the optimization of result effective variables when the optimization is obtained through routine experimentation unless there is a showing of unexpected results which properly rebuts the *prima facie* case of obviousness. See *In re Boesch*, 617 F.2d 272,276,205 USPQ 215,219 (CCPA 1980). See also *In re Woodruff* 919 F.2d 1575, 1578, 16 USPQ2d 1934, 1936-37 (Fed. Cir. 1990), and *In re Aller*, 220 F2d 454,456,105 USPQ 233,235 (CCPA 1955).

### ***Conclusion***

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references are considered cumulative to or less material than those discussed above.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lorna M. Douyon whose telephone number is 571-272-1313. The examiner can normally be reached on Mondays-Fridays 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Lorna M Douyon/  
Primary Examiner, Art Unit 1796